

APPENDIX F

Noise Calculations

Daily Volumes on Roadway Segments

| Roadway Segment | LUCE Existing | CNEL @100 ft | Adjusted Baseline | % change | Difference | CNEL @ 100 ft |
|-------------------------------------|---------------|--------------|-------------------|----------|------------|---------------|
| Ocean Ave N of Colorado Ave | 23,460 | 62.5 | 22,000 | -6.22 | -0.3 | 62.2 |
| 2nd St N of Santa Monica Blvd | 10,010 | 58.8 | 6,000 | -40.06 | -2.2 | 56.6 |
| Colorado Ave W of 4th St | 13,800 | 60.2 | 5,800 | -57.97 | -3.8 | 56.4 |
| 4th St N of I-10 WB Off-Ramp | 27,730 | 63.2 | 37,700 | 35.95 | 1.3 | 64.5 |
| 4th St S of Pico Blvd | 25,160 | 62.8 | 11,000 | -56.28 | -3.6 | 59.2 |
| 5th St S of Santa Monica Blvd | 10,040 | 58.8 | 8,400 | -16.33 | -0.8 | 58.0 |
| Montana Ave E of 7th St | 9,950 | 58.7 | 8,100 | -18.59 | -0.9 | 57.8 |
| Wilshire Blvd W of Lincoln Blvd | 26,040 | 62.9 | 23,500 | -9.75 | -0.4 | 62.5 |
| Santa Monica Blvd W of Lincoln Blvd | 14,220 | 60.3 | 12,500 | -12.10 | -0.6 | 59.7 |
| Lincoln Blvd N of I-10 WB Off-Ramp | 34,180 | 64.1 | 46,100 | 34.87 | 1.3 | 65.4 |
| Pico Blvd E of Lincoln Blvd | 13,950 | 60.2 | 13,900 | -0.36 | 0.0 | 60.2 |
| Ocean Park Blvd E of Lincoln Blvd | 14,680 | 60.4 | 11,000 | -25.07 | -1.3 | 59.1 |
| 20th St N of Wilshire Blvd | 15,040 | 60.5 | 8,300 | -44.81 | -2.6 | 57.9 |
| 20th St N of Pico Blvd | 17,840 | 61.2 | 5,200 | -70.85 | -5.4 | 55.8 |
| Ocean Park Blvd E of 23rd St | 20,240 | 61.8 | 23,300 | 15.12 | 0.6 | 62.4 |
| Olympic Blvd W of Cloverfield Blvd | 26,070 | 65.8 | 33,900 | 30.03 | 1.1 | 66.9 |
| 26th St S of San Vicente Blvd | 11,720 | 59.4 | 7,900 | -32.59 | -1.7 | 57.7 |
| San Vicente Blvd W of 26th St | 25,270 | 63.2 | 18,700 | -26.00 | -1.3 | 61.9 |
| Montana Ave W of 26th St | 17,580 | 61.2 | 16,200 | -7.85 | -0.4 | 60.8 |
| Santa Monica Blvd E of 26th St | 25,380 | 62.8 | 26,700 | 5.20 | 0.2 | 63.0 |
| Olympic Blvd E of 26th St | 26,020 | 65.8 | 24,500 | -5.84 | -0.3 | 65.5 |

Source: Fehr & Peers 2021

Daily Volumes on Roadway Segments

| Roadway Segment | Adjusted Baseline | CNEL @ 100 ft | Future No Project | % Change | dB Difference | CNEL @ 100 ft |
|-------------------------------------|--------------------------|----------------------|--------------------------|-----------------|----------------------|----------------------|
| Ocean Ave N of Colorado Ave | 22,000 | 62.2 | 22,500 | 2.27 | 0.1 | 62.3 |
| 2nd St N of Santa Monica Blvd | 6,000 | 56.6 | 6,400 | 6.67 | 0.3 | 56.9 |
| Colorado Ave W of 4th St | 5,800 | 56.4 | 5,300 | -8.62 | -0.4 | 56.0 |
| 4th St N of I-10 WB Off-Ramp | 37,700 | 64.5 | 37,600 | -0.27 | 0.0 | 64.5 |
| 4th St S of Pico Blvd | 11,000 | 59.2 | 11,700 | 6.36 | 0.3 | 59.5 |
| 5th St S of Santa Monica Blvd | 8,400 | 58.0 | 9,400 | 11.90 | 0.5 | 58.5 |
| Montana Ave E of 7th St | 8,100 | 57.8 | 7,300 | -9.88 | -0.5 | 57.4 |
| Wilshire Blvd W of Lincoln Blvd | 23,500 | 62.5 | 24,800 | 5.53 | 0.2 | 62.7 |
| Santa Monica Blvd W of Lincoln Blvd | 12,500 | 59.7 | 12,800 | 2.40 | 0.1 | 59.8 |
| Lincoln Blvd N of I-10 WB Off-Ramp | 46,100 | 65.4 | 47,400 | 2.82 | 0.1 | 65.5 |
| Pico Blvd E of Lincoln Blvd | 13,900 | 60.2 | 14,000 | 0.72 | 0.0 | 60.2 |
| Ocean Park Blvd E of Lincoln Blvd | 11,000 | 59.1 | 12,200 | 10.91 | 0.4 | 59.6 |
| 20th St N of Wilshire Blvd | 8,300 | 57.9 | 7,000 | -15.66 | -0.7 | 57.2 |
| 20th St N of Pico Blvd | 5,200 | 55.8 | 5,300 | 1.92 | 0.1 | 55.9 |
| Ocean Park Blvd E of 23rd St | 23,300 | 62.4 | 23,400 | 0.43 | 0.0 | 62.4 |
| Olympic Blvd W of Cloverfield Blvd | 33,900 | 66.9 | 38,400 | 13.27 | 0.5 | 67.5 |
| 26th St S of San Vicente Blvd | 7,900 | 57.7 | 6,700 | -15.19 | -0.7 | 57.0 |
| San Vicente Blvd W of 26th St | 18,700 | 61.9 | 18,500 | -1.07 | 0.0 | 61.8 |
| Montana Ave W of 26th St | 16,200 | 60.8 | 14,200 | -12.35 | -0.6 | 60.3 |
| Santa Monica Blvd E of 26th St | 26,700 | 63.0 | 26,800 | 0.37 | 0.0 | 63.0 |
| Olympic Blvd E of 26th St | 24,500 | 65.5 | 28,800 | 17.55 | 0.7 | 66.2 |

Source: Fehr & Peers 2021

Daily Volumes on Roadway Segments

| Roadway Segment | Adjusted Baseline | CNEL @ 100 ft | Future with Project | % Change | dB Change | CNEL @ 100 ft |
|-------------------------------------|-------------------|---------------|---------------------|----------|-----------|---------------|
| Ocean Ave N of Colorado Ave | 22,000 | 62.2 | 21,400 | -2.73 | -0.1 | 62.1 |
| 2nd St N of Santa Monica Blvd | 6,000 | 56.6 | 6,200 | 3.33 | 0.1 | 56.7 |
| Colorado Ave W of 4th St | 5,800 | 56.4 | 5,000 | -13.79 | -0.6 | 55.8 |
| 4th St N of I-10 WB Off-Ramp | 37,700 | 64.5 | 36,100 | -4.24 | -0.2 | 64.3 |
| 4th St S of Pico Blvd | 11,000 | 59.2 | 11,500 | 4.55 | 0.2 | 59.4 |
| 5th St S of Santa Monica Blvd | 8,400 | 58.0 | 9,300 | 10.71 | 0.4 | 58.5 |
| Montana Ave E of 7th St | 8,100 | 57.8 | 7,100 | -12.35 | -0.6 | 57.2 |
| Wilshire Blvd W of Lincoln Blvd | 23,500 | 62.5 | 24,500 | 4.26 | 0.2 | 62.6 |
| Santa Monica Blvd W of Lincoln Blvd | 12,500 | 59.7 | 12,900 | 3.20 | 0.1 | 59.9 |
| Lincoln Blvd N of I-10 WB Off-Ramp | 46,100 | 65.4 | 45,600 | -1.08 | 0.0 | 65.4 |
| Pico Blvd E of Lincoln Blvd | 13,900 | 60.2 | 13,600 | -2.16 | -0.1 | 60.1 |
| Ocean Park Blvd E of Lincoln Blvd | 11,000 | 59.1 | 11,200 | 1.82 | 0.1 | 59.2 |
| 20th St N of Wilshire Blvd | 8,300 | 57.9 | 7,000 | -15.66 | -0.7 | 57.2 |
| 20th St N of Pico Blvd | 5,200 | 55.8 | 5,300 | 1.92 | 0.1 | 55.9 |
| Ocean Park Blvd E of 23rd St | 23,300 | 62.4 | 22,500 | -3.43 | -0.2 | 62.3 |
| Olympic Blvd W of Cloverfield Blvd | 33,900 | 66.9 | 37,700 | 11.21 | 0.5 | 67.4 |
| 26th St S of San Vicente Blvd | 7,900 | 57.7 | 6,500 | -17.72 | -0.8 | 56.8 |
| San Vicente Blvd W of 26th St | 18,700 | 61.9 | 18,300 | -2.14 | -0.1 | 61.8 |
| Montana Ave W of 26th St | 16,200 | 60.8 | 13,600 | -16.05 | -0.8 | 60.1 |
| Santa Monica Blvd E of 26th St | 26,700 | 63.0 | 25,200 | -5.62 | -0.3 | 62.8 |
| Olympic Blvd E of 26th St | 24,500 | 65.5 | 27,200 | 11.02 | 0.5 | 66.0 |

Source: Fehr & Peers 2021